

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Application No.: 10-670,005
Attorney Docket No.: Q77667

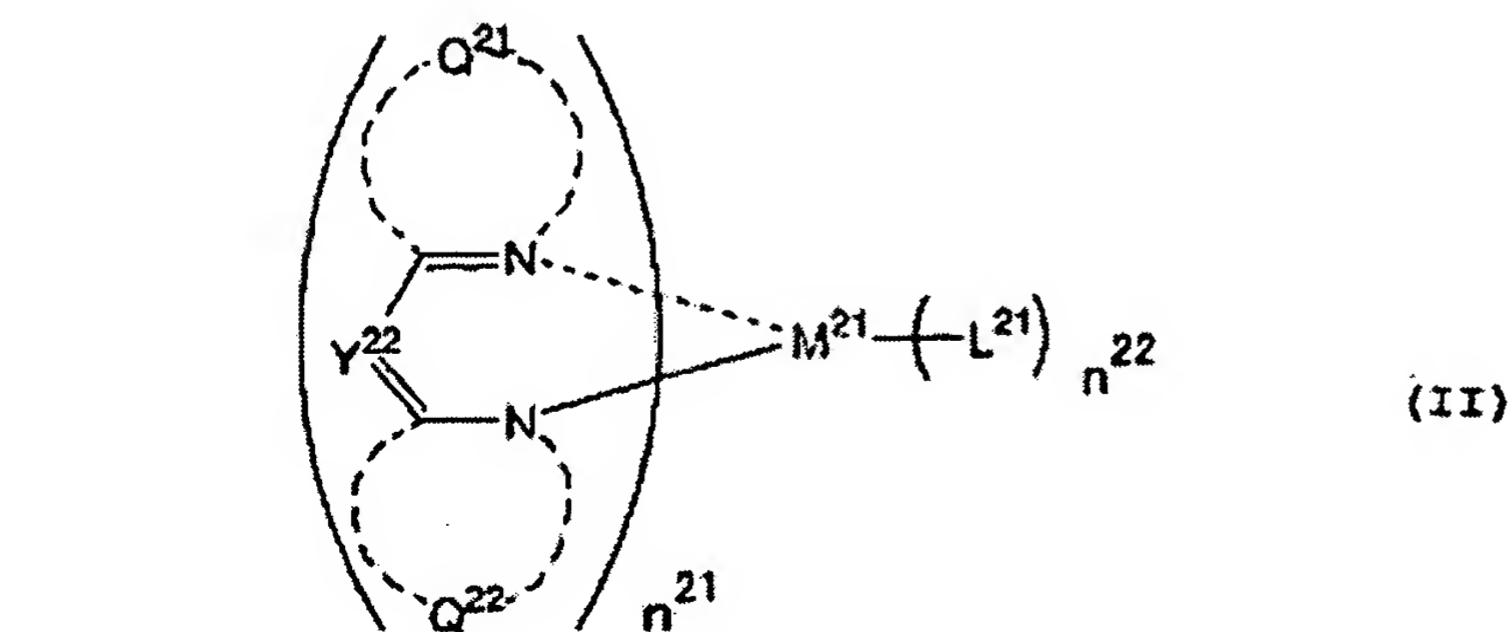
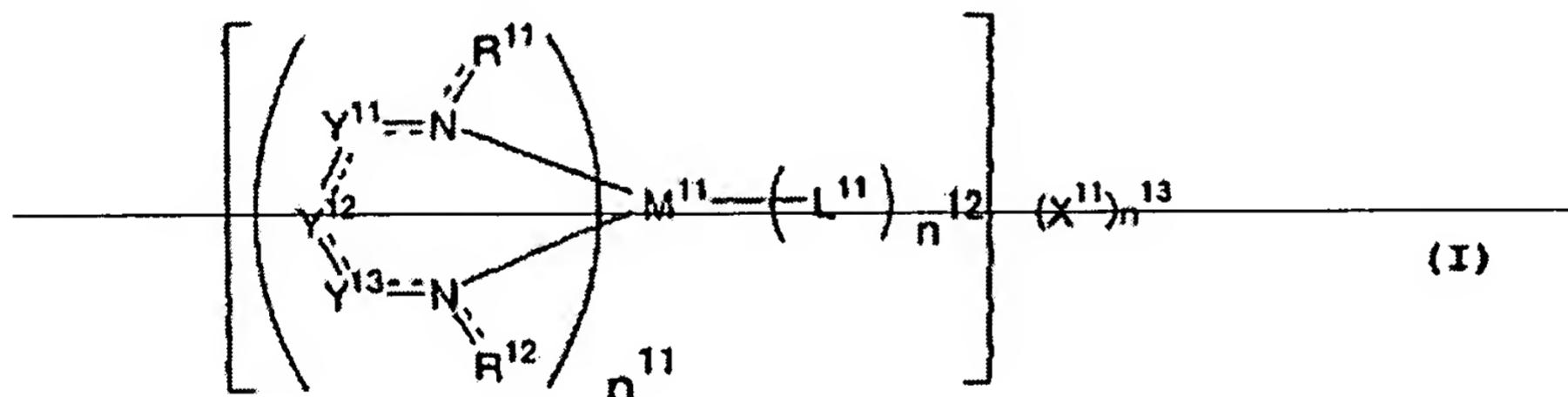
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An organic electroluminescent device comprising:
a pair of electrodes; and
at least one organic layer provided between the pair of electrodes, at least one of the
at least one organic layer being a light emitting layer,
wherein the light-emitting layer comprises a compound represented by the formula

(I)(II):



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wherein Q^{21} and Q^{22} each represent a group necessary to form a nitrogen-containing heterocyclic ring; Y^{22} represents a nitrogen atom or a substituted or unsubstituted carbon atom; M^{21} represents a transition metal ion; L^{21} represents a ligand; n^{21} represents an integer of 1 to 3; and n^{22} represents an integer of 0 to 4; R^{+1} and R^{+2} each represent a hydrogen atom or a substituent; Y^{+1} , Y^{+2} , and Y^{+3} each represent a substituted or unsubstituted carbon atom, a substituted or unsubstituted nitrogen atom, an oxygen atom or a sulfur atom; M^{+1} represents a transition metal ion; L^{+1} represents a ligand; X^{+1} represents a counter ion; n^{+1} represents an integer of 1 to 3; n^{+2} represents an integer of 0 to 4; and n^{+3} represents an integer of 0 to 4; with proviso that a compound in which $R^{+1}Q^{21}$ and $R^{+2}Q^{22}$ are connected together to form a porphyrin ring is excluded.

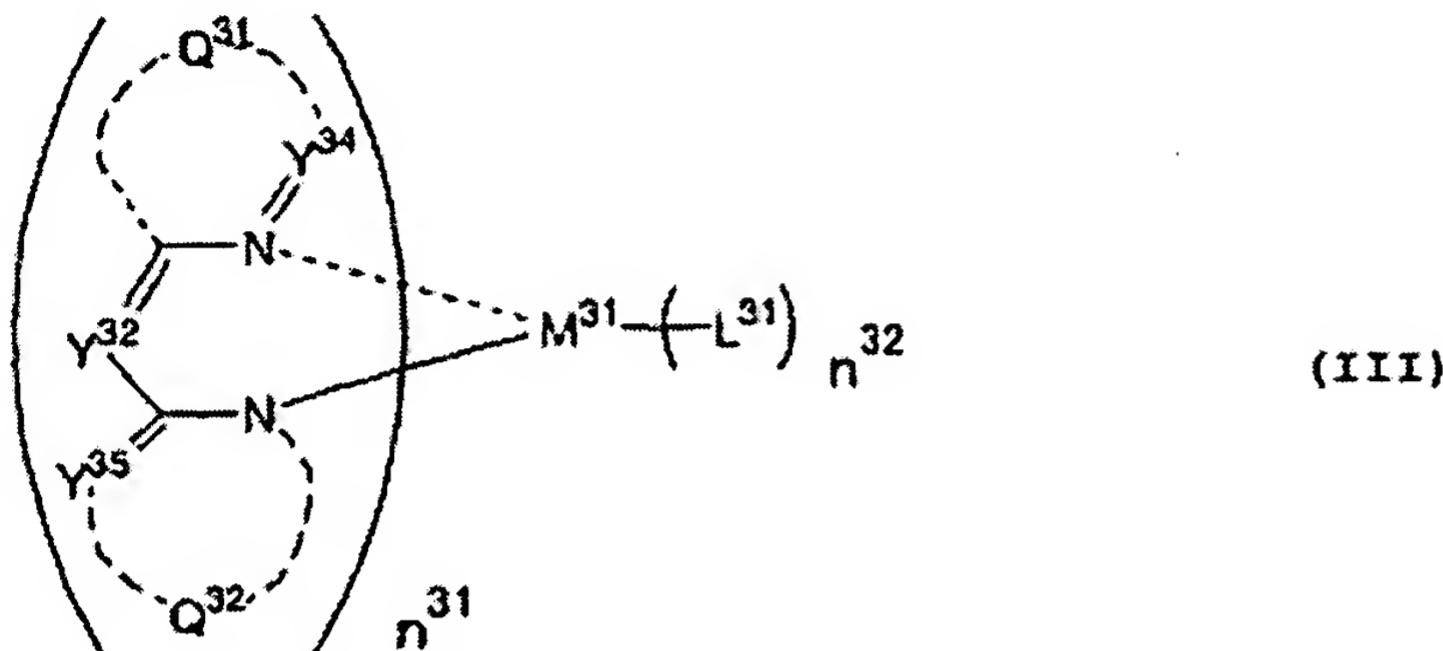
2. (canceled).
3. (currently amended) AnThe organic electroluminescent device comprising: of claim 1

a pair of electrodes; and

at least one organic layer provided between the pair of electrodes, at least one of the at least one organic layer being a light emitting layer,

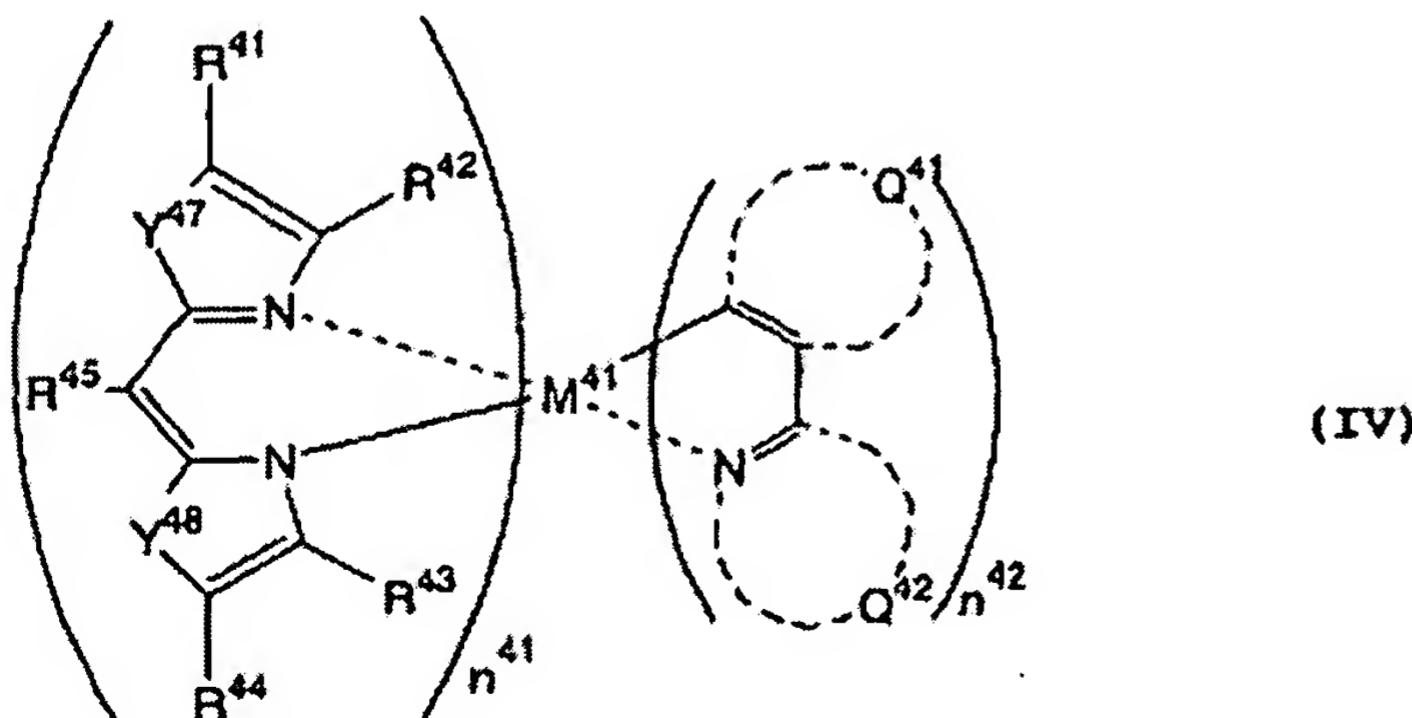
wherein the light-emitting layer comprises, wherein the compound represented by the formula (I) is a compound represented by the formula (III):

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wherein Q^{31} and Q^{32} each represent a group necessary to form a nitrogen-containing heterocyclic ring; Y^{32} , Y^{34} , and Y^{35} each represent a nitrogen atom or a substituted or unsubstituted carbon atom; M^{31} represents a transition metal ion; L^{31} represents a ligand; n^{31} represents an integer of 1 to 3; and n^{32} represents an integer of 0 to 4.

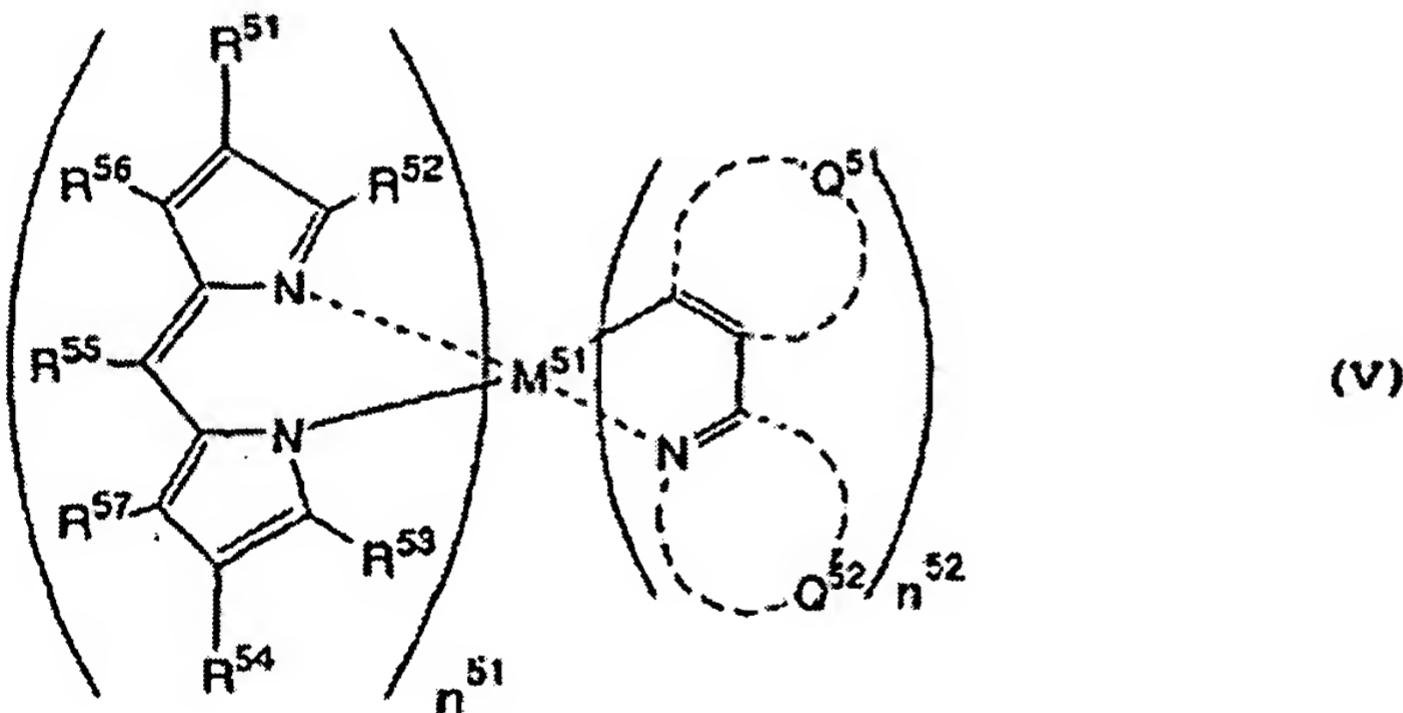
4. (currently amended): The organic electroluminescent device of claim 21, wherein the compound represented by the formula (II) is a compound represented by the formula (IV):



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wherein R⁴¹, R⁴², R⁴³, R⁴⁴, and R⁴⁵ each represent a hydrogen atom or a substituent; Y⁴⁷ and Y⁴⁸ each represent an oxygen atom, a sulfur atom, a quaternary carbon atom or a substituted or unsubstituted nitrogen atom; Q⁴¹ represents a group necessary to form an aromatic ring; Q⁴² represents a group necessary to form a nitrogen-containing heterocyclic ring; n⁴¹ and n⁴² each represent 1 or 2; and M⁴¹ represents a transition metal ion.

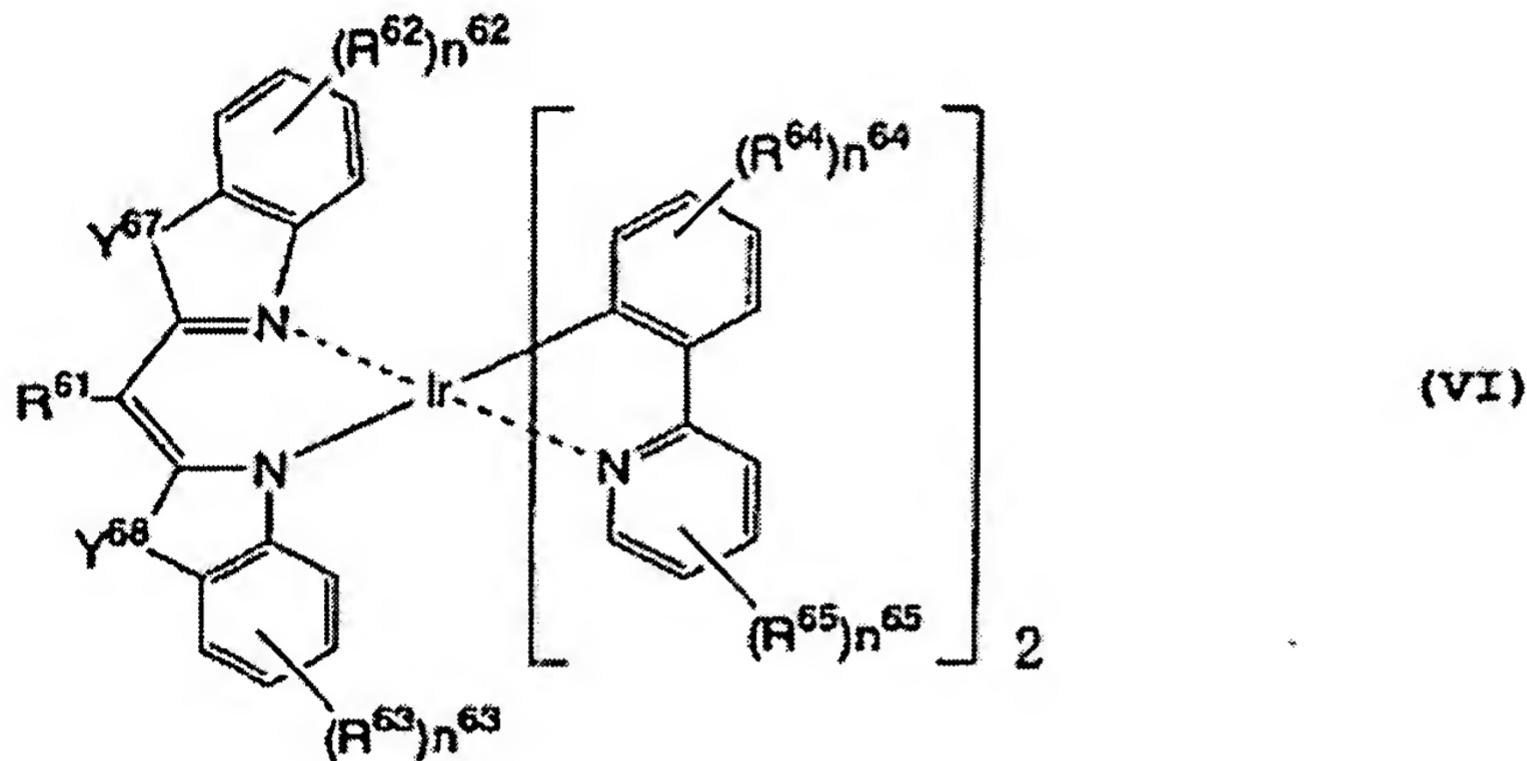
5. (original): The organic electroluminescent device of claim 3, wherein the compound represented by the formula (III) is a compound represented by the formula (V):



wherein R⁵¹, R⁵², R⁵³, R⁵⁴, R⁵⁵, R⁵⁶, and R⁵⁷ each represent a hydrogen atom or a substituent; Q⁵¹ represents a group necessary to form an aromatic ring; Q⁵² represents a group necessary to form a nitrogen-containing heterocyclic ring; n⁵¹ and n⁵² each represent 1 or 2; and M⁵¹ represents a transition metal ion.

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6. (original): The organic electroluminescent device of claim 5, wherein the compound represented by the formula (V) is a compound represented by the formula (VI):



wherein Y⁶⁷ and Y⁶⁸ each represent an oxygen atom, a sulfur atom, a quaternary carbon atom or a substituted or unsubstituted nitrogen atom; R⁶¹, R⁶², R⁶³, R⁶⁴, and R⁶⁵ each represent a substituent; and n⁶², n⁶³, n⁶⁴, and n⁶⁵ each represent an integer of 0 to 4.

7. (original): The organic electroluminescent device of claim 6, wherein n⁶², n⁶³, n⁶⁴, and n⁶⁵ each represent an integer of 0 to 2.

8. (original): The organic electroluminescent device of claim 6, wherein n⁶², n⁶³, n⁶⁴, and n⁶⁵ each represent an integer of 0 or 1.

9. (original): The organic electroluminescent device of claim 6, wherein n⁶², n⁶³, n⁶⁴, and n⁶⁵ each represent 0.

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10. (currently amended): The organic electroluminescent device of claim 1,
wherein $M^{+1}\underline{M}^{21}$ represents an iridium ion, a platinum ion, a rhenium ion or a ruthenium ion.

11. (currently amended): The organic electroluminescent device of claim 4,
wherein $M^{+1}\underline{M}^{41}$ represents an iridium ion, a platinum ion, a rhenium ion or a ruthenium ion.

12. (currently amended): The organic electroluminescent device of claim 5,
wherein $M^{+1}\underline{M}^{51}$ represents an iridium ion, a platinum ion, a rhenium ion or a ruthenium ion.

13. (currently amended): The organic electroluminescent device of claim 1, wherein
 $n^{+1}\underline{n}^{21}$ represents 1 or 2.

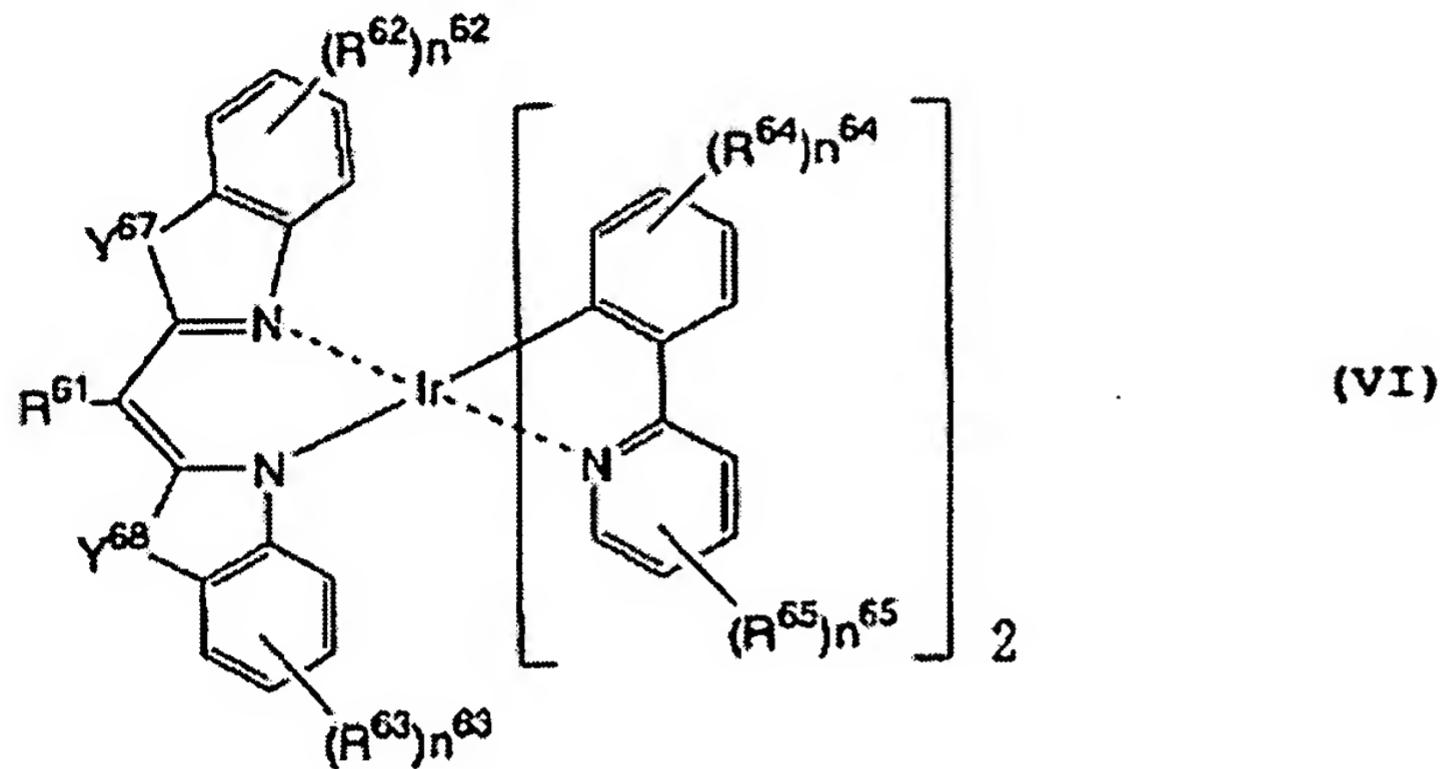
14. (currently amended): The organic electroluminescent device of claim 1, wherein
 $n^{+2}\underline{n}^{22}$ represents an integer of 0 to 2.

15. (canceled).

16. (canceled).

17. (original): A compound represented by the formula (VI):

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wherein Y^{67} and Y^{68} each represent an oxygen atom, a sulfur atom, a quaternary carbon atom or a substituted or unsubstituted nitrogen atom; R^{61} , R^{62} , R^{63} , R^{64} , and R^{65} each represent a substituent; and n^{62} , n^{63} , n^{64} , and n^{65} each represent an integer of 0 to 4.

18. (original): The compound of claim 17, wherein n^{62} , n^{63} , n^{64} , and n^{65} each represent an integer of 0 to 2.

19. (original): The compound of claim 17, wherein n^{62} , n^{63} , n^{64} , and n^{65} each represent an integer of 0 or 1.

20. (original): The compound of claim 17, wherein n^{62} , n^{63} , n^{64} , and n^{65} each represent 0.

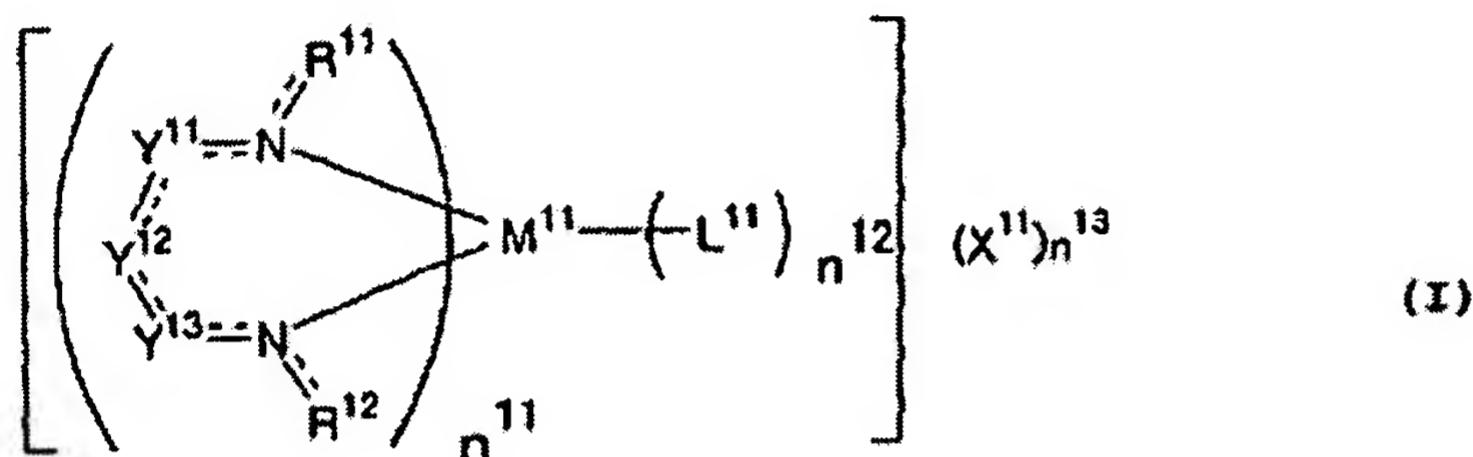
21. (new): An organic electroluminescent device comprising:

a pair of electrodes; and

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at least one organic layer provided between the pair of electrodes, at least one of the at least one organic layer being a light emitting layer,

wherein the light-emitting layer comprises a compound represented by the formula (I):



wherein R¹¹ and R¹² each represent a substituent; Y¹¹, Y¹², and Y¹³ each represent a substituted carbon atom, M¹¹ represents iridium; L¹¹ represents 2-phenyl pyridine; X¹¹ represents a counter ion; n¹¹ represents an integer of 1; n¹² represents an integer of 2; and n¹³ represents an integer of 0; with proviso that a compound in which R¹¹ and R¹² are connected together to form a porphyrin ring is excluded.